OWNERS MANUAL
RCD-820
RCD-820BX

RCD·820 ▨ RCD·8
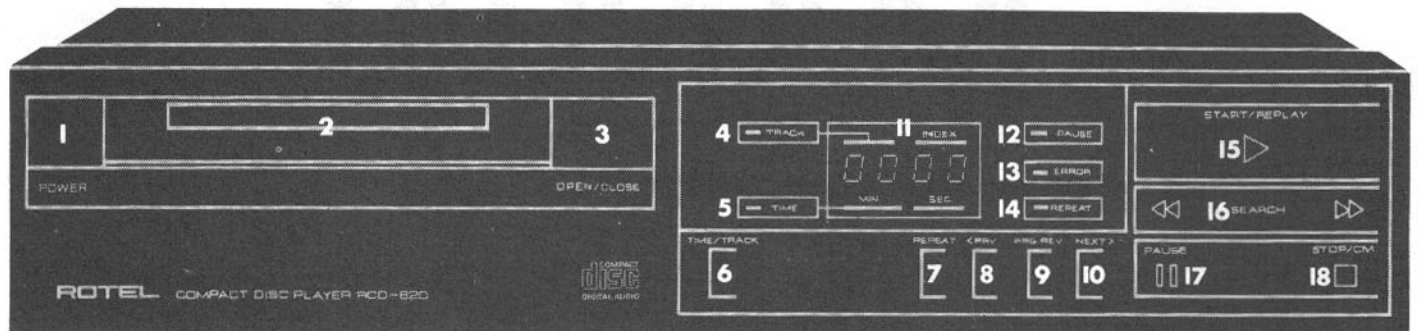
SWITCHES AND CONTROLS

1. POWER BUTTON
This button turns the unit on. The illuminated display will show two dots when the power is on, these will be extinguished when power is switched off.

2. DISC TRAY

3. OPEN/CLOSE BUTTON
This button will open or close the disc tray for loading or unloading a disc.

4. TRACK LED
illuminates during display of track numbers and/or index numbers.

5. TIME LED
illuminates during display of playing time.

6. TIME/TRACK
This button will select display of track numbers or playing time.

7. REPEAT BUTTON
This button is used to repeat programme or disc.

8. PREV BUTTON
This button is used for track selection whilst programming and for returning to previous track during play.

9. PROGR/REV BUTTON
This button is used to store track numbers whilst programming and to review programme stored.

INTRODUCTION
We at Rotel want to thank you for purchasing our audio product. Rotel audio products are designed to use the latest electronic technology, and they incorporate our long experience as a specialist manufacturer of audio equipment. We are confident that you will find satisfaction in the high quality sound. Before starting operation, please read this instruction manual thoroughly and acquaint yourself with the proper mode of using the unit and all its connections.

POWER SUPPLY
Follow the instructions below for maximum safety:

1. USE A WALL OUTLET FOR POWER SUPPLY
Be sure to connect the AC line cord to a household wall outlet. Be certain that the wall outlet voltage matches the electrical rating of the unit, found on the rear panel.

2. CONNECTING AND REMOVING AC CORD
Be sure to connect or disconnect the AC line cord only after turning off the power switch to prevent possible shock noise or damage to the speakers.

3. VENTILATE THE UNIT WELL
Never block any ventilation holes at the top and bottom of the unit. Be sure also to provide ample ventilation space around the unit. Poor ventilation may result in damage due to excessive heat.

4. DO NOT OPEN THE CABINET
In order to avoid electric shock or damage to the component, never open the cabinet. If a foreign object falls inside the unit by mistake, turn off power, disconnect the wall plug, and consult a qualified electrician or your dealer.

5. INSTALLATION
Be sure to place the unit in a level and flat place where it is free from humidity, vibration, high temperature and not exposed to direct sunlight. Be careful not to place the unit in a highly enclosed place.

Poor ventilation will cause undesirable effects to the unit.

6. MOVING THE UNIT
When transporting, remove the AC cord from the wall outlet and all other connected cords on the rear panel to prevent wire breakage and short circuits. REFIT TRANSIT SCREWS – see note 10.

7. IF THE UNIT GETS WET
If the unit should get wet, immediately disconnect the AC cord, and consult your dealer or a qualified electrician.

8. CLEANING AND MAINTENANCE
Do not use chemicals such as benzine or thinners on the front panel. Always use a soft, dry cloth to clean the unit.

9. OWNER'S MANUAL
Keep the owner's manual near the unit, and record the serial number (found on the rear panel) on the cover.

10. REMOVAL OF TRANSIT SCREWS
Two transit screws with red plastic collars are fitted to the bottom of the player. These lock the player mechanism and disc tray to protect them during transportation. These screws and collars should be removed prior to using the player. They should be retained in a safe place and should be refitted if you want to transport your player to another location.

11. CAUTION
It is advisable to ensure that the volume control of your amplifier is at zero before switching on or off your C.D. player.

EXCLUSIVE NOTE FOR U.K.
If your unit comes with a 2-core cable without a plug, make certain that the live and neutral leads are connected to the proper terminals. Check that the terminals are screwed down firmly and no loose strands of wire are present.

IMPORTANT: The wires in this mains lead are coloured in accordance with the following code:
BLUE : NEUTRAL
BROWN : LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows.

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLUE or BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured BROWN or RED.

CONNECTING TO YOUR AMPLIFIER
Using the phono cord provided connect the right and left channels of your CD player to the CD input of your amplifier. If your amplifier is not equipped with a CD input you can use either the auxillary or tape input.

OPERATION
Having ensured that all connections have been correctly made and the unit has been switched on you can proceed with the operation of the player.

LOADING AND UNLOADING A DISC
Loading. By pressing the open/close button the motorised disc tray will slide open. In this position you can now insert your chosen disc by placing it in the tray with the label side uppermost, being careful to hold the disc with your hand open and thumb and fingers extended.

The tray is closed by pressing the start/replay button, if you want to play all of the disc, or by pressing the open/close button again if you want to play a specific track or to compile a programme.

Care should be taken not to obstruct the disc tray when opening or closing.

If the error LED lights up after the disc tray is closed this indicates that the disc has been inserted upside down or that no disc is present.

UNLOADING
By pressing the open/close button the motorised disc tray will slide open and the disc may then be removed. Pressing the open/close button again will close the disc tray.

PLAYING TIME INDICATION
To select playing time indication instead of track number, which is automatically on switch-on, press the TIME/TRACK button while the tray closes. After the contents list on the disc has been read the TIME LED will illuminate. During play you can change from TIME to TRACK or TRACK to TIME indication simply by pressing TIME/TRACK button.

PLAYING A COMPLETE DISC
To play the whole disc, close the tray by pressing the START/REPLAY button. Once the contents list on the disc has been read and the laser pick-up has reached the beginning of the first track, the first track number appears under TRACK INDEX and play starts.

If you have selected playing time indication, the pause between the contents list and the first track is counted off and displayed above MIN and SEC and play starts at the moment that the elapsed playing time of this track is displayed.

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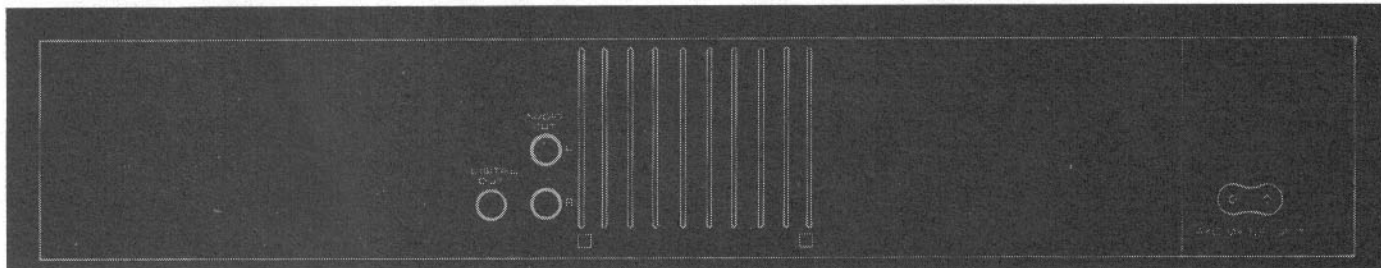
10. NEXT BUTTON
This button is used for track selection whilst programming and for moving to next track during play.

11. DISPLAY
This multiple unit functions as on/off power and standby indicator, whilst playing, indicates track being played or time elapsed. Can also indicate total number of tracks or total playing time of the disc. Whilst programming, it is used to indicate track numbers to be stored and to display track numbers already programmed.

12. PAUSE LED
Illuminates when unit is in pause mode.

13. ERROR LED
Illuminates when an operating or programming error is made.

14. REPEAT LED
Illuminates when repeat function selected.

15. START/ REPLAY
This button is for commencing play or for returning to beginning of track.

16. SEARCH BUTTON ‹——›
This button is for forward or reverse fast search to a particular passage.

17. PAUSE BUTTON
This button is for holding play at start of a track or passage or for interrupting play.

18. STOP/CM BUTTON
This button is for stopping play and for erasing a programme.

As each track ends the track number jumps on or the pause is again counted down, followed by the display of the elapsed playing time of the new track.

As soon as all the tracks have been played, the disc stops and the display shows the total number of tracks on the disc or the total playing time.

RETURNING TO THE BEGINNING OF A TRACK
You can go back to the beginning of the track being played, by pressing the START/REPLAY button.

MOVING TO ANOTHER TRACK
Selecting a later track
By pressing the NEXT button once, the player will automatically move to the next track. By using this button you can select any track number higher than the one being played.

Pressing the NEXT button whilst playing the last track will result in illumination of the ERROR LED thus reminding you that there is no next track, and play will continue with the last track. If the player is in repeat mode, the ERROR LED will not illuminate, and play will continue with the first track.

Selecting a previous track
By pressing the PREV button once, the player will automatically move to the previous track. By using this button you can select any track number lower than the one being played.

Pressing the PREV button whilst playing the first track will result in illumination of the ERROR LED thus reminding you that there is no previous track, and play will continue with the first track. If the player is in repeat mode, the ERROR LED will not illuminate, and play will continue with the last track.

BEGINNING AT ANY SPECIFIC TRACK NUMBER
If desired you may commence play with any track. First close the tray with the OPEN/CLOSE button. The total number of tracks on the disc is then shown on the display. By pressing NEXT or PREV button, you can select the desired track number. Then start play by pressing the START/REPLAY button.

SELECTING A PARTICULAR PASSAGE
During play, you can quickly locate a particular passage in a track by pressing the SEARCH ‹——› button. Holding the SEARCH ‹‹ button down results in the laser pick-up running back towards the beginning of the track, whilst holding the SEARCH ›› button down results in the laser pick-up running towards the end of the track.

During search, the laser pick-up moves at three successive speeds: for the first few seconds slowly, then faster, and maximum speed reached after approximately ten seconds.

HOLDING PLAY AT THE START OF A TRACK OR PASSAGE
By pressing the PAUSE button you can stop the laser pick-up at the start of a track or pasage, at this time the PAUSE LED will illuminate to indicate the selection of pause mode. With PAUSE selected you may utilise NEXT or PREV or SEARCH ‹——› as required. When you wish to restart play, press the PAUSE button again or press the START/REPLAY button.

INTERRUPTING PLAY
You may interrupt play at any time by pressing the PAUSE button and restart play at the point of interruption by pressing the PAUSE button again or by pressing the START/REPLAY button.

REPEATING THE DISC
To play the whole disc again, press the REPEAT button before play ends. The REPEAT LED will illuminate, and the disc will play continuously until you either press the REPEAT button again, or press the STOP/CM button, or the OPEN/CLOSE button.

STOPPING PLAY
To stop play before the end of a disc, press the STOP/CM button. The display then shows the total number of tracks on the disc or, if you have selected playing time indication, the total disc playing time.

PROGRAMMING
Instead of playing a complete disc, you can choose a number of tracks, and play only these. You can even decide on the playing sequence. It is also possible to play all the tracks in a different sequence to that on the disc.

To do this, it is necessary to store your choice in the form of a programme in the memory of the player. The memory will accept a maximum of twenty entries, which means that at most, twenty tracks can be stored. You can, however, only store each track once. If you exceed the maximum of twenty tracks, the ERROR LED illuminates to remind you that the memory is full and cannot accept any further commands.

Programming is only possible when the disc is loaded and the tray is closed. The highest track number that can be stored is then shown on the display and determined at the same time, so that errors in this respect are precluded.

To store the track numbers that you want to include in a programme, bring up each track number in turn under TRACK using the NEXT or PREV button, depending on which is quicker, then store it by pressing the PROGR/REV button.

Do not allow more than five seconds to elapse between releasing the NEXT or PREV button and pressing the PROGR/REV button, otherwise the microprrocessor in the player will assume that you have changed your mind. However you can re-activate a missed track number again by bringing up either the previous or following track number and then returning to the one required.

Example:
From a disc containing 16 tracks, you want to listen to tracks 7, 3, 9, 5, 12 and 10 in that order.

Load the disc in the tray and close it using the OPEN/CLOSE button. When the contents list has been read, the figure 16 will appear under TRACK.

Now press the NEXT button until 7 appears then press the PROGR/REV button. The display will show 7 P to indicate that the track has been stored.

Continue by going back to 3 using the PREV button and press the PROGR/REV button again. Display now shows 3 P.

You select the remaining tracks in turn by pressing NEXT or PREV button and then storing them successively by pressing PROGR/REV. As soon as you have stored the last track number the display will show 10 P. This will remain until play is started.

If you make a mistake and store a wrong track number, you can rectify this by going to the previous or following number, returning to the wrong one and then pressing the PROGR/REV button again. The display will show that the wrong track number has been erased, the P behind it being replaced by a C.

During programming or on completion of programming, you may check the contents by pressing the PROGR/REV button. All the track numbers then appear in the programmed sequence.

TYPICAL PERFORMANCE PARAMETERS (RCD-820)

Frequency Response	20 – 20,000Hz + – 0.08 DB
Dynamic Range	96 DB
Signal-to-noise Ratio	100 DB
Channel separation	100 DB
Total harmonic distortion	0.0025% (20-20,000Hz)
Wow and flutter	Quartz crystal precision
D/A conversion	Four times oversampling (176.4KHZ) with digital filter and two 16 bit D/A converters
Error correction system	Cross interleaved reed solomon code (CIRC)
Audio output level	2 Volts RMS

Miscellaneous

Power requirements	120 V/60 Hz, 220 V/50 Hz, or 240 V/50 Hz. See rating label on rear panel.
Dimensions (overall)	420 (W) × 87 (H) × 300 (D) mm

Remote Control (Where fitted)
The rotel CD remote control allows you to duplicate the majority of operating functions from the comfort of your armchair. The control buttons are identified below and should be used in accordance with the instructions for the player itself. It is advisable to point the transmitting eye of the handset towards the CD player front panel during operation.

TRANSMITTING EYE	1
PLAY	2
SEARCH	3
PREVIOUS	4
PRG/REV	5
TIME/TRACK	6
STOP	7
NEXT	8
REPEAT	9
PAUSE	10
POWER REQUIREMENT	
2 × UM-3 1.5 V Batteries	